

Notice of Allowability

Application No.

10/806,395

Examiner

Jerry Martin Blevins

Applicant(s)

SIN YAN TOO, THIERRY

Art Unit

2883

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed February 24, 2006.
2. ☒ The allowed claim(s) is/are 23-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

BRIAN HEALY
PRIMARY EXAMINER
ART UNIT 2883

DETAILED ACTION

Response to Arguments

Applicant's arguments, see pages 6 and 7, filed February 24, 2006 are persuasive.

Allowable Subject Matter

Claims 23-33 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 23, the prior art, as best exemplified by US Patent to Noll et al., number 5,306,159, teaches a system (Figures 1-4) comprising a printed circuit board (50,52) having a faceplate (62), a retainer housing (16), having a main body portion (interior) a first section (front) and a second section (back), the first section of the housing includes an opening for receiving and retaining a component (openings at front and back of housing which receive and retain printed circuit boards 50 and 52), the first section includes an upper wall (34) having an upper cam slot (36) therein and a lower wall (14) having a lower cam slot (38) therein, an insertion and removal mechanism (Figures 2-4) for inserting and removing a component from the housing, the mechanism includes a handle (100,104) connected to an upper sidewall (58) and a lower sidewall (60), the upper sidewall having a first cam (102) and a first projection (92), the lower sidewall having a second cam (102) and a second projection (92), whereby, when the mechanism is inserted in the housing the first cam is received into the upper cam slot

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and the second cam is received into the lower cam slot (column 3, line 29 – column 5, line 27). However, Noll, alone or in combination with the prior art, fails to disclose or render obvious that the system is an optical component system (although Noll does teach optical fibers 78, which would presumably be connected to an optical component, Noll makes no indication that the disclosed invention includes an optical component as part of the assembly itself, as claimed in the present invention), that the faceplate is removably connected to the printed circuit board, the faceplate releasably attached to the printed circuit board (in fact, Noll teaches that the faceplate is rigidly connected to the printed circuit board, column 4, lines 3-24), that the retainer housing is angular (disclosure is solely to a perpendicular retention of the faceplate), that it retains an optical component (see above), and that it extends through the faceplate and is connected to the faceplate, the main body portion connected to the faceplate (rather, Noll teaches that the housing and faceplate are separate entities, Figures 1-4), and that the receivable, retainable, insertable, and removable component is an optical component (Noll teaches that this component is a printed circuit board).

Claims 24-29 are allowed based on their dependence from allowed base claim 23.

Regarding claim 30, Noll teaches an insertion and removal mechanism (Figures 2-4) comprising a handle (100, 104) formed at a first end of an upper sidewall (58), the upper sidewall extending away from the handle and having a first cam (102) located on the upper sidewall near the handle and a first projection (92) located on the upper sidewall and spaced away from the first cam, a lower sidewall (60) spaced from the

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upper sidewall, the lower sidewall having a second cam (102) and a second projection (92) spaced away from the second cam, the upper sidewall and the lower sidewall are connected by at least one cross member (61), whereby the mechanism can be inserted and removed from a retainer housing (Figure 1, element 16, column 3, line 29 – column 5, line 27) . However, Noll, alone or in combination with the prior art, fails to disclose or render obvious that the mechanism is for an optical component (although Noll does teach optical fibers 78, which would presumably be connected to an optical component, Noll makes no indication that the disclosed invention includes an optical component as part of the assembly itself, as claimed in the present invention), and that an optical component is located between the upper and lower sidewalls and is insertable and removable from the retainer housing (Noll does teach optical fibers 78 located between the sidewalls, but optical fibers cannot be considered components as evidenced by page one of applicant's specification which precludes optical fibers as components, but instead suggests that optical fibers can be used to connect optical components).

Claims 31-33 are allowed based on their dependence from allowed base claim 30.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

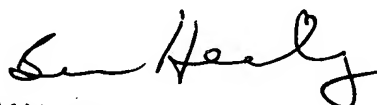
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerry Martin Blevins whose telephone number is 571-272-8581. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on 571-272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JMB


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